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	Application No.	Applicant(s)
Notice of Allowability	10/619,194	AL HAWAJ, OSAMA M.
	Examiner	Art Unit
	Thai-Ba Trieu	3748
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this or other appropriate communica IGHTS. This application is subjection	application. If not included tion will be mailed in due course. THIS
1. \boxtimes This communication is responsive to <u>the Amendment and t</u>	the IDS filed on 04/13/2004.	
2. The allowed claim(s) is/are <u>1-23</u> .		
3. The drawings filed on are accepted by the Examiner	r.	
 4. ☐ Acknowledgment is made of a claim for foreign priority una) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" on oted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must (a) ☐ including changes required by the Notice of Draftsperson 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.: each sheet. Replacement sheet(s) should be labeled as such in the paper No./Deposit OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT Feach sheet. Replacement sheet(s) should be Required to the deposit attached Examiner's comment regarding REQUIREMENT Feach sheet. 	been received. been received in Application No cuments have been received in the cuments have been received in the communication to file a region of this communication to file a region. In the communication to file a region of this application. In the communication to file a region of this application. In the communication to file a region of this application. In the communication to file a region of this application. In the communication to file a region of the communication of th	his national stage application from the ply complying with the requirements ER'S AMENDMENT or NOTICE OF aration is deficient. FO-948) attached e Office action of awings in the front (not the back) of 21(d). L must be submitted. Note the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 04/13/2004 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Summa Paper No./Mail I 8), 7. ☐ Examiner's Amer	Date

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DETAILED ACTION

This Office Action is in response to the Amendment filed on April 13, 2004. Applicant's cooperation in correcting the informalities in the specification is appreciated. Claims 1-23 were amended.

Allowable Subject Matter

Claims 1-23 are allowed.

The following is an examiner's statement of reasons for allowance: The prior art fails to disclose or render obvious the claimed combination for improving four phase and two phase rotary internal combustion engine with integral supercharging capability, and a positive displacement rotary pump or compressor with an integrated axial fan/pump inducer including:

" Regarding claims 1, 12, 16, and 20:

a rotor block having the end shaft extending therefrom, the end shaft coupled to the rotor block by an axial fan portion comprising a plurality of fan blades extending radially across an intake opening and communicating with a central bore for receiving, with rotational clearance, the central inwardly projecting cylindrical portion of the back stator portion."

Conclusion

The IDS (PTO-1449) filed on April 13, 2004 has been considered. An initialized copy is attached hereto.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably Application/Control Number: 10/619,194

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accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Thai-Ba Trieu whose telephone number is (703) 308-

6450. The examiner can normally be reached on Monday - Thursday (6:30-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Thomas E. Denion can be reached on (703) 308-2623. The fax phone

number for the organization where this application or proceeding is assigned is 703-

872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

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TTB

May 10, 2004

Thai-Ba Trieu Patent Examiner

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SUPERVISORY PATENT EXAMINER

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